

# Allen County HamNews

Fort Wayne Radio Club

Allen County Amateur Radio Technical Society

October 2000

Volume 1 Issue 10

## Changeover To CORES Registration To Be Transparent

from *The ARRL Letter* - When the FCC moves its Taxpayer Information Number/Social Security Number registration system for amateurs from the Universal Licensing System to the new FCC Commission Registration System, the changeover will be largely transparent to users.

Steve Linn of the Commission's Wireless Telecommunications Bureau says once the changeover is in effect, the CORES/FRN system will be linked from the ULS home page, <http://www.fcc.gov/wtb/uls>. In addition, those already registered in the ULS will—in most cases—still be able to use their ULS password to access CORES.

Amateurs will not have to start signing up in CORES until sometime next year, however, and those already registered in ULS won't have to do a thing. For now, Linn says hams should simply stick with ULS "TIN/Call Sign" registration until CORES registration becomes mandatory.

"Don't even worry about CORES," Linn said. "If you have a letter from CORES, hang onto it for your FCC Registration Number." The FCC recently sent letters to every licensee who was registered in the ULS as of June 22, 2000. The letter contains the individual's new FCC Registration Number—or FRN—and a few words about CORES. Linn says the FCC has suspended mailing out CORES/FRN letters for now.

Described as an agency-wide registration system for anyone filing applications with or making payments to the FCC, CORES assigns registrants a unique 10-digit FCC Registration Number. The FCC says it will modify its licensing and filing systems—including ULS—over the next several months to accept and use the FRN. The FCC says use of the FRN will allow it to more rapidly verify fee payment.

Until CORES assumes the registration function, Linn encouraged hams to register in ULS, which will continue to house the FCC's Amateur Service database even after CORES registration is implemented. Just when in 2001 that will happen Linn was not able to say. "There are a lot of factors involved," he said.

Individuals who register in CORES are not automatically registered in the ULS database (an individual does not have to be licensed to register in CORES). ULS TIN/Call Sign registration is eventually reflected in the CORES database, however, Linn confirmed.

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The CORES on-line filing system and further information on CORES is available by visiting the FCC Web site, <http://www.fcc.gov> and clicking on the CORES registration link.

Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN) and the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN).

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Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, [wb9uza@arrl.net](mailto:wb9uza@arrl.net). Please put "for newsletter" in the Subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755.

**Deadline is the last Friday of the month.  
Please do NOT send anything in all caps!!**

## Internet Home Pages:

Fort Wayne Radio Club:  
<http://www.fortwayneradioclub.org>  
ACARTS site:  
[ACARTS: http://www.acarts.com](http://www.acarts.com)

# Hampsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

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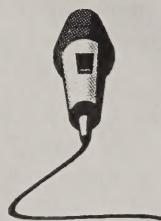
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**President's Corner**

The recent cold snap that hit the area was a reminder that fall and winter activities are just around the corner. One of those activities for the Fort Wayne Radio Club at this time of year is the election of officers for next year. Unfortunately, last month's nomination at the monthly meeting, was a pretty lackluster event, in great contrast to the excellent presentation.

The nominations stand as follows: for president, WB9ZIY. For vice president, Tom Baker, N9TB. For Secretary, Al Burke, WB9SSE. For Treasurer, Bob Streeter, W8ST, and for Communications Manager, Clint Stedge, KB9LOF. The obvious problem here is that everyone on the slate is exactly the same as last year! The only new nominee is Bill Meints, N9NAI, who placed his name in nomination for a position on the board. The other three board positions remain to be filled. Al and Bob have been in their posts for three years now, and the club owes them a debt of gratitude for their hard work.

It is clear that more involvement is needed from the club membership in the actual mechanics of running the club. There is never a shortage of volunteers for fun events, like Field Day, or for work events like the Diabetes Walk-a-thon. For club offices, there are few takers, however, which is a mystery because none of these jobs are difficult. Yes, I know that everyone has a busy schedule, but these jobs can be fun and rewarding, and the time spent is often not that long.

Please consider volunteering to be nominated for a club position. You will be supporting not only your club, but Amateur Radio itself. You will be glad you did. Nominations are still OPEN,

and will be up to the time of the election.

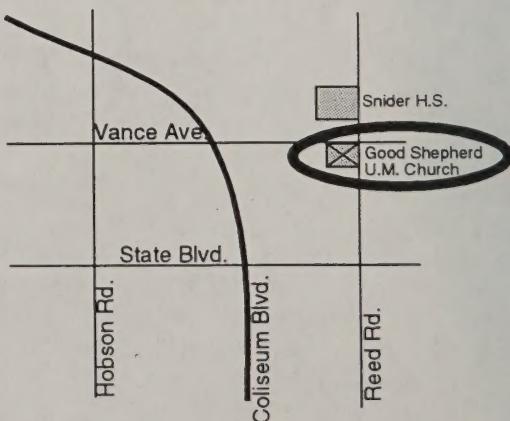
This month's presentation, which will follow the club elections, will be on BLUETOOTH technology. This RF data connectivity standard will revolutionize the way you use both computers, cell phones, and related devices in the coming decade. Never heard of it? YOU WILL!! Be on the leading edge of the next wave in electronics by attending the next meeting.

Also to be discussed at the meeting will be the upcoming JOTA (Jamboree On The Air), which involves girl and boy scouts around the world. Details of our effort this year are still in the planning stages.

See you all at the meeting, October 20th, at the Good Shepherd UMC. 73, Steve.

**Oct. Meeting**

**Friday, Oct. 20, 2000,  
7:30 p.m.**  
**Good Shepherd United  
Methodist Church, corner of  
Vance Ave. & Reed Rd.**  
**Program: Bluetooth**



## FWRC September Meeting Minutes

President Steve Nardin called the meeting to order at 7:30 P.M. The meeting started with the usual introductions. Al and Carole Burke were not able to attend so Steve asked Tom Baker to be acting secretary for the meeting.

There were no minutes from the August general meeting because the August general meeting was the Tailgate Mini Hamfest in the Good Shepherd UMC parking lot. There was also no Foxhunt report because Carl Rittenhouse was not present. The club has a new web site address at <http://www.fortwayneradioclub.org>. The site will include pages by the club officers for additional Ham Radio related information.

As an update to the tower ordinance; Al Burke contacted the lawyer for an update. There appear to be quite a few different groups challenging different parts of the total ordinance so the county group has a lot of work to do before they have legislation ready. The club will pass along more information as it becomes available from the lawyer.

At this point there are no firm plans for the Jamboree On The Air. The club will continue to try to set up some activity with either the Girl Scouts or Boy Scouts.

The league for the blind has a building in southeast Fort Wayne and they have offered the FWRC a meeting place at no charge. The board will discuss this offer at a future board meeting. There would also be room for a club station.

The floor was opened for nominations for the October elections for the FWRC officers and board. Steve Nardin said that he was willing to run for President again. Tom Baker said he was willing to run for Vice President again. Wayne Bergamino said the Carl Rittenhouse would not be able to run again for his board position but Wayne would be willing to run for that board position. Vic Guess confirmed he was willing to be Newsletter editor again next year.

Bob Streeter gave the Treasurers report. The year to date income is \$2818.92 and the year to date expenses have been \$1790.04. Bob Streeter also stated he was willing to run again for the 2001 Treasurer spot. A question was raised about the club roster. The club had voted to make copies of the roster available to club members but it has not taken place. Unlisted numbers would not be published. Steve Nardin will pursue this issue.

The Handbook also has not been made available. Tom Baker took the action to have a marked up version of the Handbook at the next board meeting. In turn the Handbook could be put on the Web Page to avoid the cost of printing. Bob Streeter stated that it might be cheaper to

make CDs available to members rather than pay for printing charges. The CD could include the Handbook, roster, and even Hamsplatter archives. Steve Nardin also stated that the club is working on a mission statement.



Bob Streeter moved to adjourn, Wayne Bergamino seconded. Attendance was around 20. After adjournment there were refreshments and a very well done presentation on a trip to Israel this summer be one of our fellow hams.

Tom Baker, acting secretary

## Free Web Space Available for FWRC Members

There is web space available for each club member with a limit of 3 MB/member. This should be plenty for pictures and text.

The URL is:  
[http://www.fortwayneradioclub.net/\[yourcall\]](http://www.fortwayneradioclub.net/[yourcall]).

Kevin Adam, webmaster  
 n9iww2@gte.net  
 219-490-7312

## Alpha/Power To Cease Linear Manufacturing

from *The ARRL Letter* – Amateur linear amplifier manufacturer Alpha/Power Inc of Longmont, Colorado, has announced plans to cease engineering and manufacturing operations once the current run of Alpha 87A and 99 amplifiers is completed. Alpha/Power said that that warranty and post-warranty service will continue to be available. Dick Ehrhorn, W0ID/W4ETO, says that “a combination of health issues and family obligations” has made it impossible for John Brosnahan, W0UN, the president and technical director of Alpha/Power, to continue at his present pace with Alpha/Power. Ehrhorn said he’s “not willing to risk that Alpha legacy” with someone else, “Nor am I aware of any person or entity with the desire, the proven ability, the commitment, and the resources to acquire Alpha and perpetuate the standards to which we’ve been dedicated for thirty-one years.” Ehrhorn says the company remains open to “serious discussions,” however. In 1996, Ehrhorn and Dave Wilson, AA0RS/G3SZA, bought back the Alpha amplifier business from ETO, which had merged with Applied Science and Technology in 1995. Ehrhorn founded ETO in 1970 and designed all the early Alpha linears. By 1995, it was a \$20-million company. For more information, visit the Alpha/Power Web site, <http://www.alpha-power-inc.com>. —Alpha/Power news release

# STATE OF THE ARTS

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

## ACARTS Officers

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## President's Message



If you missed the September general meeting, you missed a really good program. It was about the electric trolleys and the interurban which operated during the early part of the 1900's in this area. It was presented by Charlie Willer - WB9ULN. He gave us a history of the interurban through a slide and video presentation. Of course most of us were not around when the electric trolleys were running, but I do remember the electric buses that ran in Fort Wayne in the 1950's. They looked like a regular bus with rubber tires, but were connected to overhead wires. They replaced the trolleys that ran on tracks. I remember riding the trolley downtown on Saturday mornings to go shopping. That was when there were actually stores in downtown Fort Wayne, and no trip downtown was complete without a stop at Coney Island Wiener Stand.

I recently received an interesting e-mail and letter in the mail. It was from a ham in Romania. His name is Marcel Nastase and his call is YO7LHA. He is planning on coming to our Hamfest in November. He is trying to organize a Hamfest in Romania for next summer. He must have heard how well organized our Hamfest is, or read Don - WB8HQ's article in QST. He has an interesting web site at <www.yo7lha.8m.com>

## October Meeting Schedule

All meetings are at 7:30 p.m. at Turnstone unless otherwise noted. NOTE - We are still on the delayed schedule due to construction at Turnstone.

**Board & Hamfest Meeting:** 10/10/00  
All members are encouraged to attend.

**General membership meeting:** 10/24/00  
Program: brag night, nominations

**Tech Committee:** No meeting this month.

with a link to our web page. Just click on the 2000 Indiana State Convention and it takes you to our web page. He is hoping to get all the details needed to travel here worked out so he can make the visit to the USA.

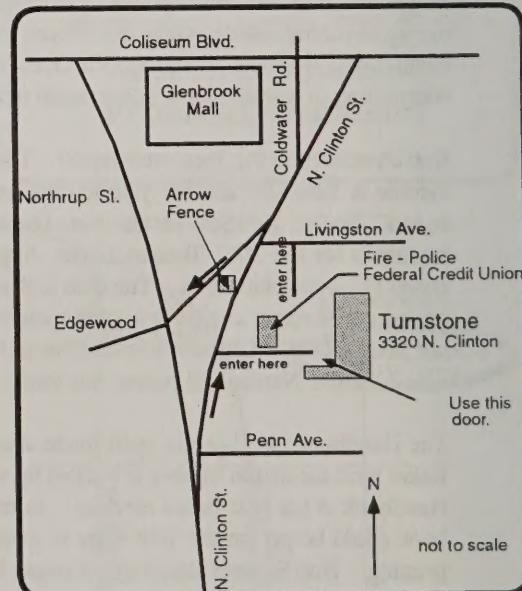
A final note for this month. This is October, the month that we hold nominations for officers and managers for AC-ARTS for 2001. The nominations will be held during the general meeting on October 24. If you are interested in running for an office let the board members know. The elections will be held at the November meeting. - KA9LTV

## October Program Information

Here's the info for October. We're having a "brag night." Bring in your favorite toy, gizmo, gadget, etc. to show off. It can be anything radio, computer, or electronics related, homemade or store-bought. You'll be able to demo it for everyone, and each item you bring in will earn you an entry into our door prize drawing! Top prize will be a (small) Radio Shack gift certificate, so bring 'em in!

That night we will also be having nominations for club officers and managers, since elections will be in November. Maybe I should offer prizes to any-

**Continued on page 5**



## ACARTS September Board Meeting Minutes

The ACARTS September board meeting was called to order by President Vic, KA9LTV at 8:35 PM. It was a late beginning due to the fact that the first hour was spent stuffing and sealing the Fort Wayne Hamfest vendor packages.

Joel, KB9RH, reported that the hamfest attendee database was almost ready for the 4 page flyer mailing. He noted that the recent submission to NCOA (the US Post Offices service that updates moves and address changes) found 250 changes within the last 6 months, which is almost 4% of the total!

Howard, N9ADS, reported that tables sales seem to be behind last year, but he wasn't sure just how far behind. The next big rush of table orders usually comes in mid to late October.

John, N9IYI, commented on the nice family picnic we had in August, and asked if anyone had ideas for programs in October and November.

Finally Jim, KB9IH, collected the worker packages from the hamfest managers in attendance, and we discussed several issues of the upcoming hamfest. Dan, KB9NGM, is working on lining up the hamfest forums, and we talked about a couple of possibilities to investigate. It was noted by Don, WB8HQS, that the 4 page hamfest flyer is almost ready for the printer, and with the addition of the forum info, they should be in the mail sometime during the 1st week of October.

The meeting was adjourned at 9:25 PM.

Don Gagnon, WB8HQS Secretary

### October Program Info – Continued from page 4

one nominated for the hard-to-fill spots?? We always need good, motivated people to keep this club alive and moving. OK, so having a little spare time helps, too. If you have grumbles about the way I've done the activities, this is your chance! I won't be able to keep this spot for next year, due to increased family responsibilities, as in Lukas is in school now. But I will be willing to help with pointers and arrangements, if needed. Don't be shy. Throw in your hat, or nominate your friend when he's not looking!

See you there, and don't forget your gizmos!

N9IYI

## September ACARTS General Meeting Minutes

The meeting was called to order by Vic, KA9LTV.



After introductions by all members present, Vic announced that the October General Meeting will still be on the 4th Tuesday and the November meeting should be back on the regular schedule of the 3rd Tuesday. Nominations for officers will be held at the October meeting, with the election at the November meeting.

John, N9IYI, introduced the speaker, Charlie, WB9ULN, who gave an interesting slide & video presentation on the interurban railways that served Fort Wayne & Northern Indiana. A lot of information was presented on the Kingsland, Indiana interurban crash in 1910.

Submitted by Dave Lindquist, W9LKH

## Time to Order Hamfest Attire



It's that time again to order you hamfest attire. This year we have the same choices as last year:

- A) Hooded sweat shirt
- B) polo shirt or the lined hamfest jacket.

Sizes range from small to XXX large. The price for the Jackets is \$18.00, Sweat shirts are \$14.00 and the polo shirts are \$10.00.

If you place an order make checks out to ACARTS and not to me. I need your choice and size, with your name and call sign (make it so I can read it)

Orders will be taken only from September 1 to October 21.

My address is:

Ron Kaufman 9924 S. Country Knoll New Haven, IN 46774-1992

Any questions can be directed to me via mail or email at N9KNJ@ARRL.NET or N9KNJ@GTE.NET

Thanks Ron N9KNJ

## Should You Use A Balun?

The following is a condensation of an article by Bruce A. Eggers, WA9NEW that originally appeared in April 1980, QST.

What does a balun do for you? What happens if you don't use one? Does a Balun really make a difference?

The word "balun" is a composite of the words "balanced" and "unbalanced". A balun is used to couple unbalanced transmission lines to balanced loads. A balanced antenna is designed to perform best when each side is fed separate currents of equal amplitude and opposite phase. Typical balanced antenna types include dipoles, folded dipoles, loops, rhombics, and Yagis. On the other hand, vertical and ground plane antennas are unbalanced.

Most modern transmitters use an unbalanced pi network output designed to feed coaxial cable. Coax has become a popular feedline since it can be installed anywhere without standoffs (even underground). All of the currents are contained within the cable. Even if you use a ladder line feed it will typically be fed from the balanced output terminals of an antenna tuner. Inside the tuner you will find, you guessed it, a balun.

Baluns are often constructed on ferrite cores for low band use. These may also act as a transformer to match the impedance of a  $50\ \Omega$  line to the antenna which is typically not  $50\ \Omega$ . VHF and UHF bands often use a "bazooka" balun. This a 1/4 wave sleeve over the line shorted to the

shield at the end farthest from the antenna. Details of these and other baluns can be found in The ARRL Antenna Handbook.

So what, you ask. Does it really make a difference? Mr. Eggers' article details experiments which were carried out in an anechoic chamber. An anechoic chamber is a special room lined with RF absorbing material so very little energy is reflected back to the antenna. Figure 1 shows the familiar theoretical radiation pattern of a center-fed 1/2 wave dipole antenna. Figure 2 shows the actual measured pattern obtained when the antenna is fed using a balun. Notice that it is quite close to the theoretical plot. Figure 3 shows the results when the balun was not used. The peak amplitude of the signal is about 5 dB less than the balun-fed antenna and the side nulls are severely distorted.

The plots only tell part of the story however. The pattern of the antenna fed without the balun was not repeatable. It varied greatly with the position of the feedline since the outside of the feedline was now "hot" with RF energy. The radiation from the feedline combined with the radiation of the antenna elements to produce a very unstable pattern.

However, most antennas are not operating in free space. Trees, houses, and any conducting objects in the near field will distort the pattern. The feedline radiation caused by not using a balun may not be the most important factor. Some antennas are designed to include the effects of feedline radiation. Each installation is different.

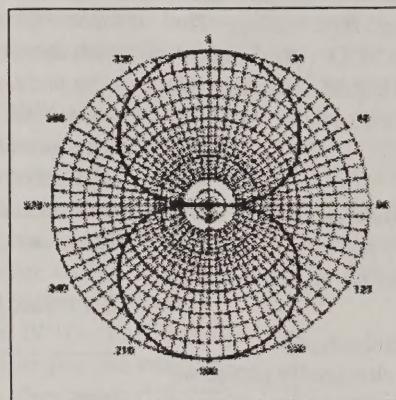


Fig. 1

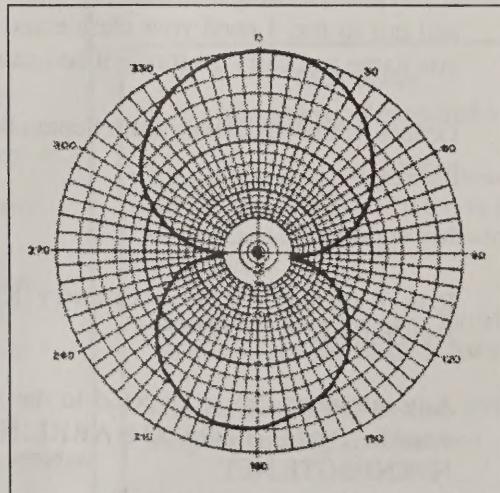


Fig. 2

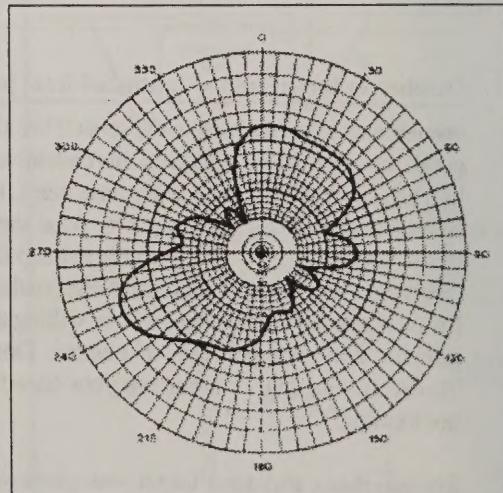


Fig. 3

## IARU Monitors Seek Reports On Unlicensed Operation

from *The ARRL Letter* – In an effort to better document the extent of unlicensed operation on Amateur Radio frequencies—particularly 10 meters—the International Amateur Radio Union Region 2 Monitoring System is surveying member societies about the extent of the problem. The ARRL is soliciting reports from US hams to supplement its response to the survey.

“At the peak of the sunspot cycle, CB-like operations become more and more apparent on the highest HF band,” says Brennan Price, N4QX, administrator of the ARRL Monitoring System.

Price says that on September 28 alone, the ARRL received three reports of such activity on 10 meters. “John Hennessee, N1KB, and I took turns monitoring at headquarters station W1INF and noted 12 such stations in about 15 minutes of listening time—all using AM between 28.0 and 28.1 MHz,” he reports.

In order to provide statistical backing for ARRL’s survey response, Price is soliciting reception reports from amateurs for the two-week period October 1 to October 14. Observations should include date and time in UTC, frequency, mode of the transmission, language (if known), and any notes that might assist in identifying the source. Observations should also be limited to amateur frequencies, focusing on 10 and 12 meters.

Price emphasized that operations on the so-called “freeband” between 10 meters and the 11 meter Citizens’ Band are not a topic of this survey.

Price urged monitors to use caution before documenting a transmission as probably unlicensed. “Most countries do not mandate a segregation of voice and digital modes, as the US does,” he pointed out. “A phone transmission between 28.0 and 28.3 MHz is not necessarily illegal in the country where that transmission occurs, and if valid amateur call signs can be made out, the transmission should not be reported.” Price notes, however, that lower sideband and AM transmissions between 28.0 and 28.1 MHz usually are unlicensed “and may be treated with suspicion.”

ARRL Executive Vice President David Sumner, K1ZZ, said he believes the best short-term solution is for amateurs to get on the air and use their frequencies. “Illegal operation on 10 meters declines on a contest weekend,” Sumner says. “If that volume of stations would operate more often, perhaps these intruders would look elsewhere for an open frequency.”

E-mail reports to Brennan Price at [n4qx@arrl.org](mailto:n4qx@arrl.org). All reports will be acknowledged, and respondents will receive a summary of the survey results via return e-mail.

## ARRL Advises Caution In Deploying Ultra-wideband

from *The ARRL Letter* – The ARRL has advised the FCC to put its ultra-wideband—or UWB—technology proceeding on hold until more evidence is available on UWB’s interference impact. Saying the technology could have enormous benefits for public safety, consumers and businesses, the FCC last May proposed amending its Part 15 rules to permit the operation of ultra-wideband on an unlicensed basis. The League filed comments September 12 in the Commission proceeding, ET Docket 98-153.

UWB proponents claim the devices are capable of operating on spectrum that’s already occupied by existing radio services without causing interference. The FCC says UWB deployment could permit scarce spectrum resources to be used more efficiently.

The ARRL said that while it does not object “as a general principle” to authorizing UWB devices under Part 15, “UWB devices cannot be authorized on a blanket basis at this point without making assumptions which could very well be erroneous, and with potentially disastrous results for licensed radio services.” The League said the UWB proceeding should be put on hold until test results are available on the impact of UWB and a further round of comments sought. Specific rules need to take into account “empirical evidence of interference potential from UWB devices,” the ARRL said, and it questioned why the proceeding was issued before test results and analyses were received.

The bulk of the League’s comments focus on the potential for interference from UWB to Amateur Radio allocations. “Part of ARRL’s reluctance is that some types of UWB operation will result in wideband noise across multiple amateur bands, something not likely to occur with most presently authorized Part 15 devices,” the ARRL asserted. The League called upon the FCC to not authorize any UWB deployment below 2.5 GHZ. The ARRL also asked the FCC not only to determine reasonable operating conditions for UWB devices but to also consider how it will address cases of harmful interference that may result from UWB deployment. And the ARRL said it wants the FCC to consider extending the protections it’s considering for safety services—such as GPS—to the Amateur Service.

The League attached to its comments rough calculations of the interference potential of various possible UWB configurations. It also offered to contribute to further studies now underway under the auspices of the NTIA and the Department of Transportation.

“At this point, it is not reasonable to adopt rules for UWB devices,” the ARRL concluded, “despite an apparent public interest in accommodating such devices.” The ARRL’s comments in the UWB proceeding are available at <http://www.arrl.org/announce/regulatory/et98-153/index.html>

...some types of UWB operation will result in wideband noise across multiple amateur bands



**Fort Wayne Hamfest and Computer Expo**  
**Indiana State A.R.R.L. Convention**  
**November 18 - 19, 2000, Fort Wayne, Indiana**

The 28th Annual Fort Wayne Hamfest & Computer Expo and Indiana State A.R.R.L. Convention, sponsored by the Allen County Amateur Radio Technical Society (ACARTS), will be held at the Allen County War Memorial Coliseum at the corner of Indiana 930 (Coliseum Blvd) and Parnell Ave. Open to the public 9:00 A.M. - 4:00 P.M. EST on Saturday and 9:00 A.M. - 3:00 P.M. EST on Sunday. Vendor setup is Friday evening and Saturday morning. Admission is only \$5.00 (good for both days) at the door only. Parking is \$2.00. There are over 1100 commercial and flea market tables (152,000 sq. ft.), all under one roof, containing both new and used radio, computer, and general electronics items. Vendors include several International ham equipment manufacturers. Activities will include many forums and meetings and VE testing on Saturday. Shuttle bus service provided to and from commuter airport (Smith Field) and shopping centers. Talk-in on 146.88(-). For more information leave a message on the answering machine at (219) 483-8163 (tables) or (219) 484-1314 (general information) and you will be contacted. You can also send an SASE to ACARTS / Fort Wayne Hamfest, P.O. Box 10342, Fort Wayne, Indiana 46851, or visit our World Wide Web site at <http://www.acarts.com>.

### **Regional Hamfests**

<u>Date</u>	<u>Location</u>	<u>Contact Phone</u>	<u>URL or E-mail</u>
15 Oct 2000	Kalamazoo, MI		<a href="http://www.qsl.net/k8blo/hamfest.htm">http://www.qsl.net/k8blo/hamfest.htm</a>
15 Oct 2000	Lima, OH	419-647-6321	gas1950@aol.com
22 Oct 2000	Warren, MI	810-263-0227	<a href="http://members.home.net/dougk/useca.htm">http://members.home.net/dougk/useca.htm</a>
29 Oct 2000	Canton, OH	330-837-3091	<a href="http://www.qsl.net/w8np">http://www.qsl.net/w8np</a>
29 Oct 2000	Marion, OH	740-499-3565	meeker@gte.net
5 Nov 2000	St. Joseph, MI	616-982-0404	<a href="http://www.comdac.com/bara">http://www.comdac.com/bara</a>
18 Nov 2000	Georgetown, OH	937-446-2234	<a href="http://www.qsl.net/~n1djs">http://www.qsl.net/~n1djs</a>
18-19 Nov 2000	Fort Wayne, IN	219-484-1314	<a href="http://www.acarts.com/hfmain.htm">http://www.acarts.com/hfmain.htm</a>
25 Nov 2000	Evansville, IN	812-479-5741	<a href="http://w9ear.org/hamfest.htm">http://w9ear.org/hamfest.htm</a>
3 Dec 2000	Mt. Clemens, MI	248-651-7387	jrluh@aol.com
14 Jan 2001	Goshen, IN	219-291-0252 (7-10 PM EST)	

For more complete information go to <<http://www.acarts.com/hamfests.htm>>.

**VEC Schedule**

**NOTE:** ARRL-VEC to charge for code tests: Starting with the inception of the new FCC Amateur Radio licensing rules on April 15, 2000, the ARRL-VEC will charge a test fee of \$6.65 to take the Element 1 (5 WPM Morse code) test. Until April 15, the 5 WPM Morse code test (Element 1A) and/or the Novice written test (Element 2) are free at ARRL-VEC test sessions.

Sponsor: W5YI-VEC — WHITLEY COUNTY ARC  
 Time: 9:00 AM (Walk-ins allowed)  
 Contact: HENRY R MACKEY (219)244-7735  
 VEC: W5YI VEC  
 Location:  
 CALL FOR SITE LOCATION  
 COLUMBIA CITY, IN 46725  
 12-Oct-2000

Sponsor: GOSHEN ARC  
 Time: 7:00 PM (Walk-ins allowed)  
 Contact: LYLE L LONG (219)875-8455  
 VEC: ARRL/VEC  
 Location: GREENCROFT RETIREMENT CENTER  
 HOMAN BUILDING  
 GREENCROFT BLVD  
 GOSHEN, IN 46525  
 28-Oct-2000

Sponsor: W5YI  
 Time: 02:00PM (Walk-ins allowed)  
 Contact: G CURTIS VAN DE WATER (219)858-2474  
 VEC: W5YI VEC  
 Location: WORTH TAX SERVICE  
 RTE 30 E  
 WARSAW, IN 46580  
 28-Oct-2000

Sponsor: VAN WERT VE GROUP  
 Time: (No walk-ins)  
 Contact: ROBERT E HIGH (419)795-5763  
 VEC: ARRL/VEC  
 Location: CALL FOR INFO  
 VAN WERT, OH 45891  
 04-Nov-2000

Sponsor: Fort Wayne Hamfest  
 Time: 9:00 AM (Walk-ins allowed)  
 Contact: WILLIAM C HALL (219)485-3995  
 VEC: W5YI VEC  
 Location: Allen County War Memorial Coliseum and Exposition Center  
 4000 Parnell Avenue  
 FORT WAYNE, IN  
 19-Nov-2000

Sponsor: UNSPONSORED  
 Time: 9:00 AM (Walk-ins allowed)  
 Contact: WILLIAM C HALL (219)485-3995

VEC: W5YI VEC  
 Location: ALLEN COUNTY LIBRARY  
 GEORGETOWN BRANCH 6600 E STATE  
 BLVD  
 COMMUNITY ROOM  
 FORT WAYNE, IN 46815  
 25-Nov-2000



Sponsor: W5YI-VEC — WHITLEY COUNTY ARC  
 Time: 9:00 AM (Walk-ins allowed)  
 Contact: HENRY R MACKEY (219)244-7735  
 VEC: W5YI VEC  
 Location:  
 CALL FOR SITE LOCATION  
 COLUMBIA CITY, IN 46725  
 25-Nov-2000

Sponsor: W5YI-VEC  
 Time: Call for time and walk-in info  
 Contact: ROBERT E HIGH (419)795-5763  
 VEC: W5YI VEC  
 Location:  
 CALL FOR INFO  
 VAN WERT, OH 45891  
 23-Dec-2000

Sponsor: VAN WERT VE GROUP  
 Time: (No walk-ins)  
 Contact: ROBERT E HIGH (419)795-5763  
 VEC: ARRL/VEC  
 Location: CALL FOR INFO  
 VAN WERT, OH 45891  
 30-Dec-2000

Sponsor: W5YI  
 Time: 02:00PM (Walk-ins allowed)  
 Contact: G CURTIS VAN DE WATER (219)858-2474  
 VEC: W5YI VEC  
 Location: WORTH TAX SERVICE  
 RTE 30 E  
 WARSAW, IN 46580

### **New North American 24-GHz Record Claimed**

from *The ARRL Letter* — A new North American distance record at 24 GHz is being claimed by Ron Smith, K6GZA and Gary Lauterbach, AD6FP. The contact occurred September 16 during the 2000 10 GHz and Up Cumulative Contest. The 24 GHz contact took place between Mt Oso (CM97hm) in Northern California and Mt Frazier (DM04ms) in Southern California. The calculated distance of 375 km is believed to be a new North American record. Both stations used SSB with signals peaking to S7 on the Frazier end and S5 on the Oso end of the path. At the time conditions on 10 GHz over the path were reported excellent. Signal levels were good enough for K6GZA and AD6FP to converse for several minutes before each went back to working other stations in the contest.—thanks to Gary Lauterbach, AD6FP, and Ron Smith, K6GZA



## For Sale

• Kenwood TS-430S HF Transceiver with Shure 444 desk mike. Excellent condition. Kenwood refurbished the transmitter 2/99. \$450.00. Call Gary at (219) 627-0334 or e-mail [rradioman@fwi.com](mailto:rradioman@fwi.com)

\*\*\*\*\*

• For Sale Magnavox Console Radio Model 240B Best Offer. [k9znj@earthlink.net](mailto:k9znj@earthlink.net)

\*\*\*\*\*

• HP 202H RF Signal Generator, 54 - 219 MHz (needs tubes) \$35.00, with Boonton 207E Univerter (free bonus)

• Southwestern Bell dual cassette answering machine \$3.00. (still in working condition)

• Two ea. Sony cassette decks model TC-FX310, \$10.00 ea. or both for \$17.00

Vic Guess, WB9UZA, 219-485-7472, [wb9uza@arrl.net](mailto:wb9uza@arrl.net)

\*\*\*\*\*

• 2M / 70CM dual band through-the-glass antenna with coax. Used for 6 months. \$13

• Nokia 252 cell phone with 2 NiMH battery packs and the complete mobile mounting kit (includes mic, speaker, mount, and thru-the-glass antenna). \$50

Contact Don, WB8HQS, at 219-484-3317 or [don.gagnon@home.com](mailto:don.gagnon@home.com)

**NOTE:** For Sale & Wanted items will be listed for 2 months only unless the ad is resubmitted. If you sell an item the first month, please contact the editor so the item can be removed.

## NWS Special Event Station

CQ...CQ...CQ...

The National Weather Service Northern Indiana and IMO Amateur Radio Skywarn are proud to announce a Special Event Station Saturday December 2nd, 2000, 00Z-24Z.

The event will run from 00Z to 24Z (Friday December 1st 7 PM EST to Saturday December 2nd 7 PM EST).

Listen for WX9IWX, calling. We plan to operate on the following bands... 80m 40m 20m 15m 10m 6m and in the following modes... Voice / CW / PSK31

The Special Event serves to recognize the contributions to severe weather preparedness provided by the amateur radio community nationwide. Last year, 56 National Weather Service Offices signed on to participate, including the National Hurricane Center W4EHW. We are hoping for a similar number this year...maybe more! More details about the event, including: QSL Information, participating offices and the different certificate endorsements can be found at... [www.nws.noaa.gov/event2000](http://www.nws.noaa.gov/event2000)

An Event Within an Event !!! In addition, WX9IWX will commemorate the outstanding efforts of the Skywarn amateur radio operators within our warning area. What: 2 meter simplex special event Where: 146.520 simplex - As far as we can reach When: Saturday December 2nd 2 PM to 6 PM EST

Please help pass the word around.

If you have any questions, please e-mail Patrick Murphy [kb8qev@usa.net](mailto:kb8qev@usa.net) or Paul Van Dyke, KB9AVO [crossbow@kconline.com](mailto:crossbow@kconline.com)

73, Patrick Murphy, NWS Northern Indiana / IMO Amateur Radio Skywarn - WX9IWX

## James R. Weldon / N9MFO (SK)

James R. Weldon age 79 became a Silent Key on September 13, 2000. He was born February 24, 1921 in Fort Wayne, Indiana. He was a member of the Whitley County Amateur Radio Club (WCARC).

He served in the Coast Guard during WW II. Jim was employed as a electrician all of his life, he worked for the City of Fort Wayne Buildings Department for seven years. He retired in 1982 as an electrician at Magnavox in Fort Wayne after 10 years.

Jim had memberships in numerous organizations, St John Bosco Catholic Church, Knights of Columbus 1790 in Garrett, Gilbert Davis American Legion Post 157 in Churubusco, Ideal Fish and Game Club in Churubusco, Fraternal Order of Eagles Aerie 1906 in Columbia City, Whitley County Amateur Radio Club, Catholic Order of Foresters and he was a 50 year member of International Brotherhood of Electrical Workers.

Lewis Brown/W9SMQ and Don Evilsizer/KA9QWC attended the funeral services.

## Membership Application for FWRC - or - ACARTS (check one)

Name: \_\_\_\_\_ Call sign: \_\_\_\_\_ License class: \_\_\_\_\_  
 Street address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ ZIP: \_\_\_\_\_ Phone #: (\_\_\_\_) \_\_\_\_\_ Unlisted?  Yes  
 Email address: \_\_\_\_\_ ARRL Member?  Yes

### Fort Wayne Radio Club Dues

Regular membership	<input type="checkbox"/> \$15.00 / year
Family membership <sup>1</sup>	<input type="checkbox"/> \$21.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$6.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$15.00 / year

(Memberships for Jul - Dec are 1/2 the stated amounts.)

1. Please list all names and calls on an attached sheet.
2. K-12 or full time student

### A.C.A.R.T.S. Dues

Regular membership	<input type="checkbox"/> \$12.00 / year
Additional family members <sup>1</sup>	<input type="checkbox"/> \$6.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$6.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$6.00 / year

(New Regular memberships are \$1/month)

3. unlicensed member
4. 9 digit ZIP code required for US bulk mail

May we list your name, call & email address in our membership roster and on our club web site?  Yes  No

Both clubs now offer email delivery of this newsletter as a (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. How would you like your newsletter delivered?  by email  by snail mail  download from web site.

Please attach a check (number \_\_\_\_\_) for the appropriate amount and bring to a club meeting or mail to:

Fort Wayne Radio Club  
 PO Box 15127  
 Fort Wayne, IN 46885

A.C.A.R.T.S.  
 PO Box 10342  
 Fort Wayne, IN 46851

For dual membership, fill out both sides and send 2 checks to either club.

### ACARTS Voice Repeaters

146.880 (-)	General use / Skywarn priority
147.255 (+)	General use / Autopatch priority
443.800 (+)	General use

(All repeaters have autopatch, but 88 has only speed dial emergency #'s.)

### ACARTS Digital Repeaters (digipeaters)

144.390 (s)	APRS - wide
145.010 (s)	General use, NETROM (FWA) - wide
223.660 (s)	BBS use ONLY NETROM (FWA220) - wide

### Fort Wayne Radio Club Repeaters

Voice:	146.76 (-)	General use; (2 sec. initial keyup delay)
	146.94 (-)	General use with autopatch
	146.91 (-)	Autopatch only
	444.875 (+)	General use
ATV:	439.25 In, 910.250 Out, 144.340 Audio & control	

### Area Traffic Nets

(please submit any changes or corrections to the editor)

IMO: meets nightly at 6:30 p.m. (2330 UTC) on 146.88

### Area Traffic Nets - Continued

Auburn: meets Mon., Tue., Wed., Thur., Fri., & Sat. at 6 p.m. (2300 UTC) on 147.015+

21 Repeater Group: meets each Wednesday at 9 p.m. (0200 UTC) on 147.150

### Miscellaneous Nets

Huntington ARES: Sat/Tues at 8:00 p.m. (0100 UTC) on 146.685

Portside: 3rd Wednesday at 7:30 p.m. (0030 UTC) on 444.300

Whitley Co. / ARES: Wednesdays at 7:15 p.m. (0015 UTC) on 145.270  
 (Note 131.8 PL disabled for all nets)

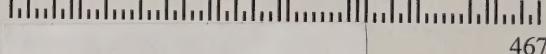
Whitley Co. Sunday: Sundays at 7:45 p.m. (0045 UTC) on 444.550  
 +. (The 146.460 simplex crossbanding from both nets has been dropped.)

Sloppy Code Net: Sundays at 9 p.m. (0200 UTC) on 40M (7.1405 MHz). This CW net's purpose is to build confidence and help increase code speed. The speed is generally 1-10 WPM. If you want to copy only contact Henry, KA9ZNN at 749-8968 for details..

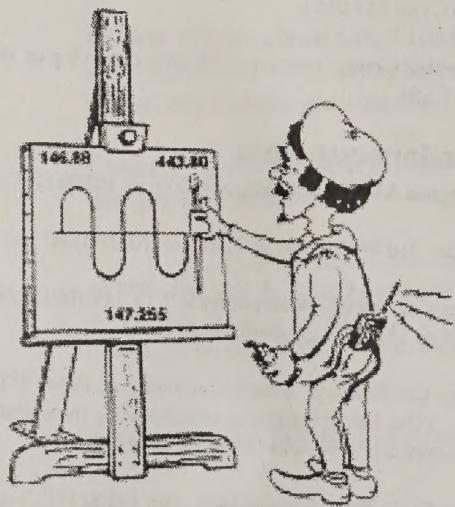
Six Meter AM net (informal): Every Saturday night at 7:00 p.m. on 50.580 MHz. Intercom on 146.430 simplex.

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